

WHAT IS CLAIMED IS:

1. A reproducing apparatus comprising:  
reproduction means for reproducing moving image  
data from a recording medium; and  
5 control means for changing the recording state of  
the moving image data in said recording medium based on  
program information indicating the reproducing  
procedure of the moving image data by said reproduction  
means.

10 2. An apparatus according to claim 1, wherein  
said control means erases the moving image data from  
said recording medium, based on the program  
information.

15 3. An apparatus according to claim 2, wherein  
said control means erases, among the moving image data  
recorded in said recording medium, the moving image  
data irrelevant from the content of the program  
20 information.

25 4. An apparatus according to claim 2 or 3,  
wherein said control means further changes the content  
of said program information according to the moving  
image data recorded on said recording medium after the  
erasing process of said moving image data.

5. An apparatus according to claim 4, further comprising recording means for recording data on said recording medium, wherein said control means controls said recording means so as to record the program information whose content is changed, on said recording medium.

6. An apparatus according to claim 4, wherein said control means changes the content of said program information according to the recording period of the moving image data recorded on said recording medium.

7. An apparatus according to claim 2, wherein the moving image data include plural moving image files, and said control means erases the moving image data based on the program information on each moving image file basis.

8. An apparatus according to claim 2, wherein the moving image data include plural moving image files, and said control means erases a part of the data of the moving image files based on the program information.

9. An apparatus according to claim 1, wherein the moving image data include plural moving image files, and said control means changes the recording

state of the moving image data based on the program information on each moving image file basis.

10. An apparatus according to claim 1, wherein  
5 the moving image data include plural moving image files, and said control means changes the recording state of a part of the data of said moving image files based on the program information.

10 11. An apparatus according to claim 1, wherein the moving image data include plural moving image files, and said control means changes the recording state of the moving image files based on the program information and the preparation dates of said plural  
15 moving image files.

12. An apparatus according to claim 1, wherein said moving image data include plural moving image files, and said control means changes the recording  
20 state of said moving image files based on the program information and the reproducing periods of the moving image files.

13. An apparatus according to claim 1, wherein  
25 said control means further changes, after the changing process of the recording state, the content of the program information based on the moving image data

recorded in said recording medium.

14. An apparatus according to claim 13, further comprising recording means for recording data on said recording medium, wherein said control means controls said recording means so as to record the program information whose content is changed, in said recording medium.

15. An apparatus according to claim 1, wherein said control means further controls the reproducing operation of the moving image data by said reproduction means according to the program information.

16. An apparatus according to claim 1, wherein said reproduction means reproduces the program information from said recording medium.

17. An apparatus according to claim 1, wherein the moving image data are based on the MPEG-2 TS format.

18. An apparatus according to claim 1, wherein the moving image data are based on the SMIL format.

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19. A reproducing apparatus comprising:  
input means for inputting moving image data

including plural moving image files and program data  
indicating the reproducing procedure of the moving  
image data;

5 recording/reproducing means for recording or  
reproducing the moving image data and the program data  
input by said input means to or from a recording  
medium; and

10 control means for controlling said  
recording/reproducing means so as to change the  
recording state of the moving image data recorded on  
said recording medium based on the program data  
reproduced from said recording medium, and changing the  
content of the program data based on the image data  
recorded on said recording medium after said changing  
15 process of the recording state.

20. A reproducing method of reproducing moving  
image data from a recording medium, comprising a step  
of changing a recording state of the moving image data  
20 on said recording medium based on program information  
indicating a reproducing procedure of the moving image  
data.

25 21. A method according to claim 20, wherein the  
content of the program information is changed based on  
the moving image data recorded on said recording medium  
after the change of the recording state.

22. A method of reproducing moving image data from a recording medium according to program information indicating a reproducing procedure of the moving image data, comprising a step of erasing, from said recording medium, the moving image data irrelevant from the reproducing procedure indicated by the program information, among the moving image data recorded on said recording medium.

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